



Tech

Technical Data

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SODIUM CHLORIDE

GENERAL DESCRIPTION:

Sodium Chloride, commonly known as salt, is an ionic compound with the formula NaCl. It is an equal combination of sodium and chlorine. Salt is a mainstay in industrial processes and it is commonly used for chemical syntheses. Sodium Chloride is also commonly used in deicing as both a consumer and industrial product.

APPLICATIONS:

- ◆ Solvay Process: sodium chloride is used to create sodium carbonate & calcium chloride
- ◆ Textiles: brine rinse to separate organic contaminants
- ◆ Pulp & Paper: bleaching purposes
- ◆ Water softening
- ◆ Deicing
- ◆ Food: condiment/flavoring

PHYSICAL PROPERTIES:

- ◆ Appearance: White crystals
- ◆ pH: 6.7-10.0
- ◆ Odor: Halogen odor (when heated)
- ◆ Stability: stable

HANDLING & STORAGE:

Storage Temperature (min./max.): Avoid humid or wet conditions as product will cake and become hard.

Special Sensitivity: Avoid contact with strong acids.

Handling and Storage Precautions: Becomes hygroscopic at 75% relative humidity.

[For more detail about product handling & safety info, please refer to the Material Safety Data Sheet](#)